



INVITATION FOR BIDS

PATHWAYS REJUVENATION

and STRIPING

PHASE VI

October 2006

Facilities Management Division
131 Mathews Drive
843-342-4580

**TOWN OF HILTON HEAD ISLAND
INVITATION FOR BID
PATHWAY REJUVENATION – PHASE VI
IFB 2007-7**

The Town of Hilton Head Island is soliciting sealed bids from qualified bidders for Phase VI of the Pathway Rejuvenation Project and striping of certain pathways in accordance with the attached scope of work.

Sealed bids are due no later than 1:00 PM, Wednesday November 1, 2006. Bids will be opened at Facilities Management at 1:05 PM the same day. No late bids will be accepted for any reason. No fax bids will be accepted.

A question and response period will be open October 16 – October 31, 2006. Questions must be submitted in written form. All questions and answers will be provided to contractors. No questions will be answered after October 31st.

The award of a contract for these services will be based on the following criteria:

- Cost - adequacy of the proposed work force/equipment required to perform these services (must meet Town's referenced minimum requirements).
- Responsiveness - responsibility of the bidder based on referenced past performance on contracts of similar requirements and scope.

Label bid on the outside of the sealed envelope with the following: **“IFB 2007-7 PATHWAY REJUVENATION – PHASE VI”**. Hand carry bid to the Receptionist at Facilities Management, 131 Mathews Drive, or deliver by traceable means, i.e. Fed Ex; to 131 Mathews Drive, Hilton Head Island SC 29928 Attention Facilities Management (bid).

The Town reserves the right to accept or reject any or all bids received as a result of this invitation for bids or to negotiate with all qualified bidders, or to cancel in part or in its entirety this invitation for bids if it is in the best interest of the Town to do so.

This solicitation does not commit the Town to award a contract or to pay for any costs incurred in the preparation of your bid; or to procure or contract for any articles of goods or services.

Any bidder/offeror qualified for the “LOCAL VENDOR PREFERENCE” should fill out a certification statement and include it with bid/proposal in order to be considered for this preference. Certification forms are available on the Town's website at www.hiltonheadislandsc.gov or can be obtained by contacting Tom Fultz at 341-4600. If certification has previously been confirmed, please include a copy of the certified form with the bid/proposal.

Bids must be signed by an official of your company authorized to bind the bidder, and shall contain a statement that the bid is good for a period of at least 60 days from the date of bid opening.

The Town does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or in the provision of goods and services.

BID INSTRUCTIONS:

Bids shall be submitted on the provided bid forms which must be filled out completely. All required Certificates of Insurance must be included with your bid. All Contractors will provide a minimum of three references for contracts of similar requirements and scope. Please provide name and current phone number of a primary point of contact for each reference. Where indicated provide a listing of both the human resources and the equipment that will be assigned to perform the scope of work for this contract. Failure of your bid to comply with these requirements will render it non-responsive. Attached is a sample contract format that will be used for the award of these services for information only.

The Contractor shall be required to meet all tasks of this contract within 30 days from date of notice to proceed. Failure to meet this deadline will result in a penalty of \$200.00 per day for every day beyond the designated deadline for completion.

For more information concerning this solicitation, please contact Tripp Ritchie at 342-4580.

Scope of Work

Phase VI of this project shall consist of rejuvenating and striping existing asphalt along the following pathways, approximately 3.4 miles:

- Arrow Road from the beginning of the path at the intersection of Arrow Road and Palmetto Bay Road along the power line easement to the end of the path at the entrance to Outdoor Resort, 133 Arrow Road. Approximately 1.2 miles.
- Wood Haven Drive from the beginning of the path at the intersection of Wood Haven Drive and Cordillo Parkway to the end of the path at the entrance to the Seabrook, 300 Woodhaven Drive. Approximately .22 miles.
- DeAllyon Avenue from the beginning of the path at the intersection of DeAllyon Avenue with Cordillo Parkway to the end of the path at the intersection of DeAllyon Avenue and South Forest Beach Drive. Approximately .4 miles.
- South Forest Beach Drive from the beginning of the path at the intersection of South Forest Beach Drive and Cordillo Parkway to the end of the path at the intersection of South Forest Beach Drive and the crosswalk at Coligny Circle. Approximately 1.58 miles

In addition the project shall include the striping the following pathways, approximately another 3.13 miles:

- Gum Tree Road from the intersection of Gum Tree and William Hilton Parkway to the end of the path at the intersection of Gum Tree and Squire Pope Road. Approximately 1.36 miles.
- Squire Pope Road from the intersection of Squire Pope Road and William Hilton Parkway to the end of the path at the intersection of Squire Pope Road and Squiresgate Road. Approximately 1.77 miles.

Contractor shall provide a work schedule 1 week in advance so that the Town may issue press releases regarding pathway closures.

Contractor shall be responsible for pathway closure during performance of contract and “curing” time, a minimum of 24 hours. Appropriate professional signage shall be used to advise pathway users of pathway closure.

Appropriate work zone safety provisions shall be made at all times for the protection of motorists, pedestrians and workers. Safety vests are required for all workers.

All work shall be performed during daylight hours and only when air temperature is a minimum of 50 degrees F.

Contractor shall be responsible for removing any contaminant from the pavement, including oil, dirt, grease, and any other debris, prior to start of work. This may include, but not be limited to, sweeping, power washing, etc.

Contractor shall remove all pathway signage in the work area so as not to damage them prior to commencement of project. Contractor shall also replace signage upon completion of project.

Contractor shall skip over all driveways in the work area.

Contractor shall use a product on the surface of the asphalt pavement during rejuvenation that provides a fuel resistant seal and reconditions the asphalt binder without causing a reduction in the friction characteristics of the pavement.

Contractor shall install pavement markings either via the attached hydro-carbon thermoplastic compound specifications or by using an alkyd type material applied manually on the Gum Tree Road and Squire Pope Road pathways and then Arrow Road, DeAllyon Avenue, Wood Haven Drive, and South Forest Beach Drive pathways after each has been rejuvenated. Other installation of pavement markings may be added to this contract at the Owner's request, up to 50% of contract value and workload. Fees shall be at the unit cost provided by Contractor.

The following shall be used for rejuvenation:

<u>Materials</u>	<u>Minimum</u>	<u>Maximum</u>
Coal-tar pitch	35%	50%
Maltenous type Petroleum Distillate	32%	42%
Coal-Tar oils	15%	40%

Oil Property Requirements

Specific gravity @ 25/25 C	1.06	
Water by weight		2.0%
Brookfield Viscosity @ 24C		60cps.
Soluble in CS2 by weight	95%	

<u>British Pendulum /skid test</u>	.15 max.
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<u>Asphalt binder viscosity</u>	<u>Change in property</u>	<u>Test Method</u>
Viscosity @ 140 F	20% minimum decrease in the Viscosity within 48 hours 20% minimum Viscosity after 2 years	ASTM D-2171 Standard test method for Viscosity of Asphalts by Vacuum Capillary viscometer

Contractor shall guarantee all work against flake, chip, pool, and spalling for a minimum of 2 years.

The following materials shall used during the thermoplastic pavement striping or substituted with an alkyd type material manually applied.

13200 - THERMOPLASTIC PAVEMENT MARKINGS

EXTRUDED OR HOT SPRAY APPLICATION

a) **GENERAL**

(1) **DESCRIPTION:**

A. The work to be done shall consist of furnishing and applying thermoplastic reflectorized pavement marking materials on the surface of pavements to provide pavement markings of a color (white or yellow) and pattern as indicated in the Plans. The contractor shall supply all the necessary equipment and materials for the installation of the traffic lines.

(1) **WARRANTY:**

The Contractor shall transfer to the Town the warranty on thermoplastic materials issued by the manufacturer. The Contractor shall also furnish the Town the normal warranty for application. These warranties shall specify the guaranteed retainage of material for a stated period beginning with the application date. Work will not be allowed to commence until the warranties have been received by the Town.

MEASUREMENT AND PAYMENT:

A. Measurement for payment of all pavement markings, except arrows, words, and crossing symbols shall be on a linear foot basis for each width marking in place, measured along the center of the lines. The measurement shall include the length of the thermoplastic marking only and conversely exclude spaces between broken lines.

Measurement for payment of arrows and words, symbols shall be for each arrow and word.

Payment will be made at the contract unit price and shall be full compensation for the supplying of materials at the rate specified preparation of the pavement surface, the application of all materials, the protection of markings, the protection of traffic, and doing all the work involved to provide the pavement markings in place, complete in accordance with these specifications and the special provisions, including labor, equipment, and incidentals necessary to satisfactorily complete the work specified.

The Contractor shall be responsible for the loss of any material while in his care, or for any damage caused to it after being received by him.

PRODUCTS

MATERIALS:

A. The pavement marking material shall be a reflectorized mixture of thermoplastic binder and reflectorized glass beads upon which additional glass beads are applied by dropping immediately after the marking material is applied to the surface of the pavement. Prior to application of the pavement marking material, the surface of all pavements shall be coated with a primer-sealer material if recommended by the thermoplastic manufacturer.

B. Thermoplastic Compound: The hydro-carbon type thermoplastic compound shall meet all the requirements of AASHTO M 249. Except that the material may be shipped in the granulated form.

C. Glass Beads - (Drop-on): The drop-on glass beads shall meet the requirements of AASHTO M 247 - Type 1.

D. Primer-Sealer - A primer-sealer as recommended by the manufacturer of the thermoplastic pavement marking material shall be utilized on all Portland Cement pavement surfaces and all bridge surfaces that have not been overlaid with asphalt. The primer-sealer also shall be utilized on any type of pavement prior to the placing of Railroad Crossing Symbols. Primer-sealer shall be used on Asphaltic Concrete pavement surfaces if recommended by the manufacturer of the thermoplastic pavement marking material. The primer-sealer shall form a continuous film which will mechanically adhere to the pavement and shall not discolor nor cause any noticeable change in the appearance of the pavement outside of the finished pavement marking.

E. The Contractor shall obtain from the manufacturer of the thermoplastic binder, tests results of all requirements of AASHTO M 249 for each batch of material furnished along with a final certification that all the materials furnished met the requirements of the contract specifications. The Contractor shall obtain from the manufacturer of the drop-on glass beads a certification stating that the material furnished met all the requirements of the contract specifications. Copies of the above described affidavits shall be furnished to the Owner.

EXECUTION

APPLICATION PROPERTIES, OF ASSHTO M 249 IS EXPANDED AS FOLLOWS:

A. Equipment - Material shall be prepared by only means of an insulated batching machine recommended or furnished by the manufacturer of the compound and shall consist of a special kettle for melting and heating the composition. Applicators may be either a truck mounted liner or a portable unit. "Truck mounted" shall be defined as a self-propelled vehicle with six or more wheels and an enclosed metal cab for housing the driver.

If the contract requires extruded application, the material shall be applied to the pavement by an extrusion method wherein one side of the shaping die is the pavement and the other three sides are contained by, or are part of suitable equipment for heating and controlling the flow of the material.

The batching machine shall be constructed to provide continuous mixing and agitation of the material. Conveying part of the equipment between the main material reservoir and final dispensing nozzle/shaping die shall be so constructed as to prevent accumulation and clogging. All parts of the equipment which come in contact with the material shall be so constructed as to be easily accessible and exposable for cleaning and maintaining.

The equipment shall be constructed so that all mixing and conveying parts to the final dispensing nozzle/shaping die maintain the material at the plastic temperature.

The equipment shall be so constructed as to assure continuous uniformity in the dimensions of the markings.

The controls shall be such that the operator can override set automatic cycles in order to extend a line or to begin a new cycle at any selected point.

The applicators shall provide a means for cleanly cutting off square stripe ends. The truck mounted liner shall provide a method of automatically applying "skip" or solid longitudinal lines, including right and left edge lines, of any combination of single or double line configurations (color and pattern) as illustrated in the 1982 S.C. Manual on Uniform Traffic Control Devices with the machine traveling in the direction of normal traffic flow. The use of pans, aprons, or similar appliance which the nozzle/die overruns will not be permitted.

Beads applied to the surface of the completed strip shall be applied by an automatic bead dispenser attached to the applicator in such a manner that the beads are dispensed almost instantly upon the completed line.

The applicators shall be so constructed as to provide for varying widths to produce varying widths of traffic markings as indicated in the plans.

Kettles and melters must be such that heating is done by controlled heat transfer systems that are oil jacketed or indirect flame air jacketed. Directed flame equipment will not be allowed. All kettles and melters must be equipped with an automatic thermostatic control device and proper thermometers to control the temperature of the material at the manufacturer's recommended application temperature range.

The applicator and kettle must be so equipped and arranged as to satisfy the requirements of the National Fire Underwriters, and all state and local requirements.

The applicators shall be mobile and maneuverable to the extent that straight lines can be followed and normal curves can be made in a truck arc.

B. Construction Requirements - Traffic shall be permitted through the project throughout the entire construction period.

1. Preparation of Surface - The pavement shall be dry and free of glaze, oil, dirt, grease or other foreign contaminants. Where directed by the Engineer, the Contractor shall buff or sand blast the pavement surface for a width equal to two inches wider than the stripe to be applied in order to secure a proper surface for adequate bonding of the thermoplastic material. It will be necessary for the Contractor to remove the existing lines on concrete by an approved method so that it is assured that at least 80% of the existing marking is removed for adequate bonding of the thermoplastic material.

2. Application of Primer-Sealer - Where used, the primer-sealer shall be sprayed on the pavement surface where the lines are to be applied. The thickness of application and time on the pavement prior to thermoplastic application shall be governed by the recommendations of the manufacturer of the primer-sealer.

3. Application of Marking Material - All longitudinal markings (see page 3-104, 1982 SCMUTCD shall be placed with a truck-mounted applicator except when approved by the project engineer where

the length of a particular marking is too short, or the curvature too great, to permit efficient use of the liner. Transverse markings (see page 3-106, 1982 SC MUTCD) may be applied with a portable unit.

The markings shall be straight or of uniform curvature and shall conform uniformly with tangents, curves and transitions. Symbols shall be of dimensioned shown in the plans. Markings must be of the dimensions and placed as shown on the plans. The contractor shall provide, at his own expense, sufficient control points to serve as guides for application of markings.

The finished line markings shall be free from waviness and the lateral deviation shall not exceed two (2) inches in fifteen (15) feet. Any greater deviation shall be sufficient cause for requiring the contractor to remove and correct such markings at his own expense. The contractor shall also be required to remove and correct any symbol markings not meeting the dimensional requirement shown on the plans.

The contractor shall protect the markings until dry by placing guarding or warning devices as necessary. In the event any vehicle should cross the wet marking, such marking shall be reapplied and lines made by the moving vehicle removed by the contractor.

To avoid poor quality marks, markings are to be placed only when the surface of the pavement is surface dry as determined by visual inspection, when the relative humidity as reported by local weather authorities is 90% or less, and when the pavement surface temperature, as determined by means of surface thermometers, is 55 degrees F or above. The contractor shall provide appropriate surface thermometers, certified to be correct, to measure the pavement temperatures during the work.

No markings shall be applied between October 15 and March 1 inclusive, except with the permission of the Town Engineer.

Sufficient personnel experienced in the handling and application of this type of material shall be provided by the contractor to assure that the work is done properly.

Work shall be done only during daylight hours, and all markings shall be sufficiently dry, before sunset, to permit crossing by traffic. All protective devices shall be removed before sunset to allow free movement of traffic at night.

The marking material shall be applied at a temperature that will provide best adhesion to the pavement and shall be between 380 degrees F and 420 degrees F as recommended by the manufacturer. The material shall be heated uniformly throughout and shall have uniform disbursement of binder, pigment and glass beads when applied to the surface of the pavement.

All extruded lines 12 inches or less are to be applied with a die that equals the width of the line. All lines greater than 12 inches may be applied with two dies the total widths of which equal the width of the line.

4. Rate of Application

(a) Marking material shall be applied at the specified widths and at a rate to result in a new material thickness at the center of the line as specified below.

Type of Marking

(1) Edge lines and median lines (4" solid white, 4" solid yellow and 4" broken yellow). 90 mils

Lane lines (4" broken white) 90 mils

Center lines on two - lane roadways (4" broken yellow and 4" solid yellow) 90 mils

(2) All others 125 mils

The diagram below refers to applications of all thicknesses.

The edge of the line shall be not thinner than 75% of the center thickness.

X .75X
Thermoplastic
Line

Roadway

Surface

NO SCALE

(b) Glass Beads - "Drop-on" glass beads shall be mechanically applied to the surface of the marking material immediately after the material is applied to the pavement surface, and while the marking material is still molten so that the beads will be held by and mechanically embedded in the surface of the material. The beads shall be uniformly distributed over the minimum rate of 12 pounds per 100 square feet of stripe. Drop-on beads shall be applied mechanically.

INSPECTION AND ACCEPTANCE OF WORK:

All thermoplastic markings shall be inspected both day and night to determine whether the intent of these supplemental specifications has been achieved. Any markings failing to have satisfactory appearance, either day or night, shall be reapplied by the contractor at his own expense.

The final acceptance of the thermoplastic pavement markings will be delayed for a period of one hundred and eighty (180) days after final inspection to permit observation of performance. The contractor shall be required to replace any markings or markers that, in the opinion of the Owner, have not performed satisfactorily during this one hundred and eighty day period due to defective materials and workmanship in manufacture and application.

Application of Pavement Markings and Non-recessed Pavement Markers - When pavement markings (center line, lane lines, and edge lines) and non-recessed pavement markers are applied on a roadway opened to traffic and in a continuous operation of moving vehicles and equipment, the following minimum warning devices shall be required.

1. The vehicle applying the pavement markings shall have sequential or flashing arrows as directed by the engineer.

2. A shadow vehicle shall maintain at least a distance of 50' behind the vehicle applying the pavement marking and shall have an approve sequential or flashing arrow board.

Application of pavement markings shall be accomplished without stopping traffic except when directed by the Owner. If the Owner approves the temporary closing of any part of the traveled width of any pavement, either on the main roadway or intersecting roads and drives, and thereby restrict traffic, the contractor shall provide all barricades, lights, flagmen and such other protection to traffic as may be necessary for the protection of work and the safety of public.

The contractor shall at all times set up and operate his equipment so as to encroach as little as possible upon the traveled width of any pavement opened to traffic.

The contractor shall submit a traffic control plan for application of thermoplastics, installation of markers. The plan will have to be reviewed and approved by the Owner before work begins.

BID FORM

PATHWAY REJUVENATION – PHASE VI and STRIPING

We have reviewed the specifications for this contract and can comply with all requirements therein. If selected by the Town of Hilton Head Island, we shall provide the required and specified services for the total sum of \$_____. Unit pricing is as follows:

\$_____ Total Rejuvenation
\$_____ Total Striping
\$_____ Stop Bar each
\$_____ STOP each
\$_____ Divider each
\$_____ Cross Walk each

The following companies may be contacted for references:
(List company, contact name, and telephone number)

Reference 1: _____

Reference 2 : _____

Reference 3: _____

This bid is in effect for 60 days following bid opening.

COMPANY: _____

Owner/Manager: _____

Business License #: _____

Address: _____

Telephone: _____

Signature: _____

Date: _____

Witness: _____

STATE OF SOUTH CAROLINA)

)

COUNTY OF BEAUFORT)

)

AGREEMENT

THIS AGREEMENT is made this <<Date>> between <<Company Name>>(hereinafter called “ The Contractor”) and the Town of Hilton Head Island (hereinafter called "Town"), a municipal corporation organized and existing under the laws of the State of South Carolina.

WHEREAS, the Town has a requirement to <<list service or supply>>;

WHEREAS, the Town and the Contractor desire to enter into an Agreement wherein the Contractor shall provide such services as set forth hereinbelow:

NOW, THEREFORE, for and in consideration of the mutual promises, undertakings and covenants set forth herein, the receipt and sufficiency of which is acknowledged and affirmed by the Town and the Contractor, the parties hereto agree as follows:

1. The Contractor shall <<list task or services to be provided>>.
2. The total cost of this contract shall not exceed <<List Total Cost>>.
3. The term of this Agreement shall be from the date of execution to satisfactory completion as determined by the Town.
4. The contractor is required to maintain appropriate levels of insurance for both workers compensation coverage and for auto liability. The contractor must provide the Town with a Certificate of Workers Compensation coverage that names the Town as an additional insured. The contractor is required to immediately contact the Town should any change to these policies occur during the course of the performance of this contract. Failure to maintain these policies is grounds for termination.
5. The Town Manager may terminate this contract in whole or in part at any time for the convenience of the Town. If the contract is terminated for the convenience, the Town will pay the contractor for costs incurred to that date of termination.
6. Should any part of this Agreement be rendered void, invalid, or unenforceable by any court of law, such a determination shall not render void, invalid, or unenforceable any other part of this Agreement.
7. This Agreement has been made and entered into in the State of South Carolina, and the laws of South Carolina shall govern the validity and interpretation of this Agreement in the performance due hereunder.
8. This Agreement may not be modified unless such modification is in writing and signed by both parties.
9. The Contractor may not assign this contract without the prior written approval of the Town.
10. The Contractor shall defend, indemnify, and hold harmless the Town, its officers, directors, agents, and employees from and against any and all actions, costs, claims, losses, expenses, and/or damages, including attorney's fees, whether incurred prior to the institution of litigation, during litigation, or on appeal arising out of or resulting from the conduct of any activity hereby authorized or the performance of any

requirement imposed pursuant by this Agreement, however caused or occasioned, unless caused by the willful misconduct or gross negligence of the Town.

11. The parties hereto intend that no master/servant, employer/employee, or principal/agent relationship will be created by this Agreement. Nothing contained herein creates any relationship between the Town and the Contractor other than that which is expressly stated herein. The Town is interested only in the results to be achieved under this Agreement, and the conduct and control of the agents and employees of the Contractor and the methods utilized by the Contractor in fulfilling its obligations hereunder shall lie solely and exclusively with the Contractor and its agents and employees shall not be considered agents or employees of the Town for any purpose. No person employed by the Contractor shall have any benefits, status, or right of employment with the Town.

IN WITNESS WHEREOF, the parties hereto have affixed their signatures hereto the date first written hereinabove.

WITNESSES:

<<CONTRACTOR'S FULL NAME>>

By: _____

Its: _____

WITNESSES:

TOWN OF HILTON HEAD ISLAND

By: _____

Stephen G. Riley, AICP

Its: **Town Manager**